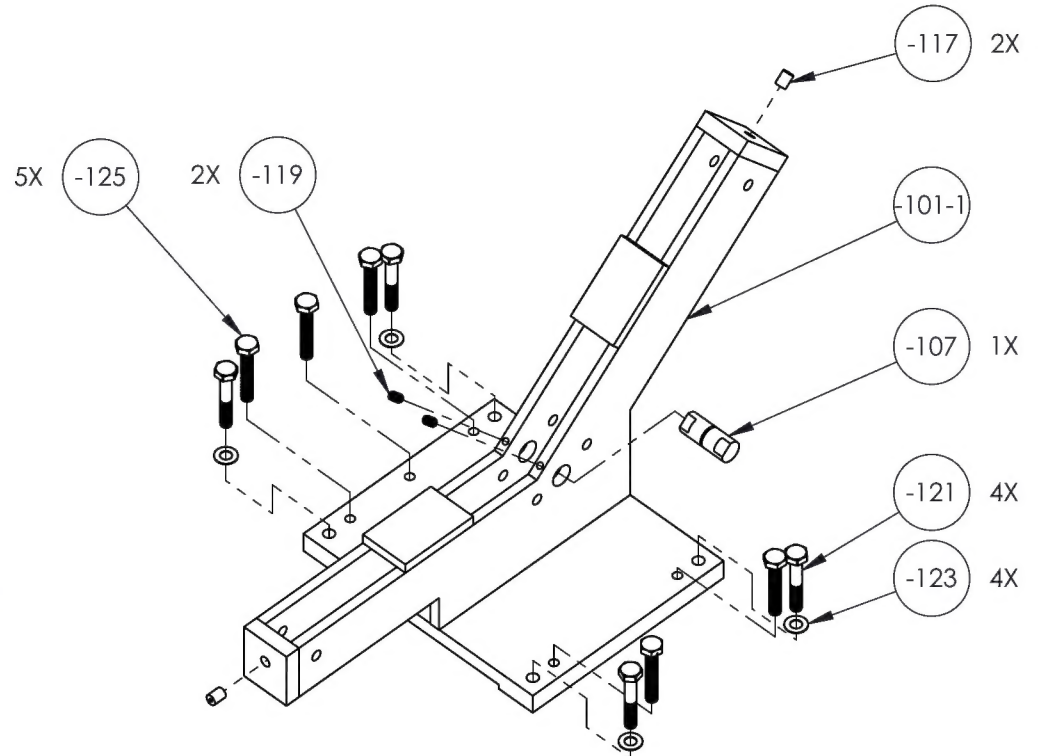
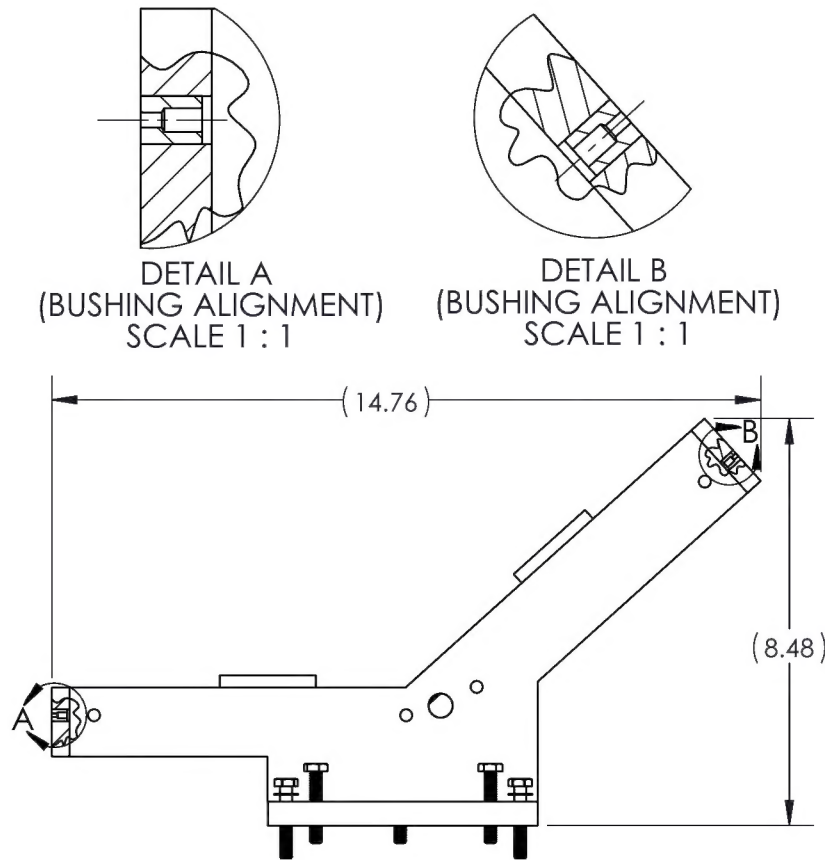


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	REDRAWN FROM TATTERED DRAWING. -103 & -109 ADDED Ø.064 HOLES FOR ALIGNMENT PINS -127. -101-1 ADDED 4X LINE BORE HOLES.	9/12/2013	CFS	GE



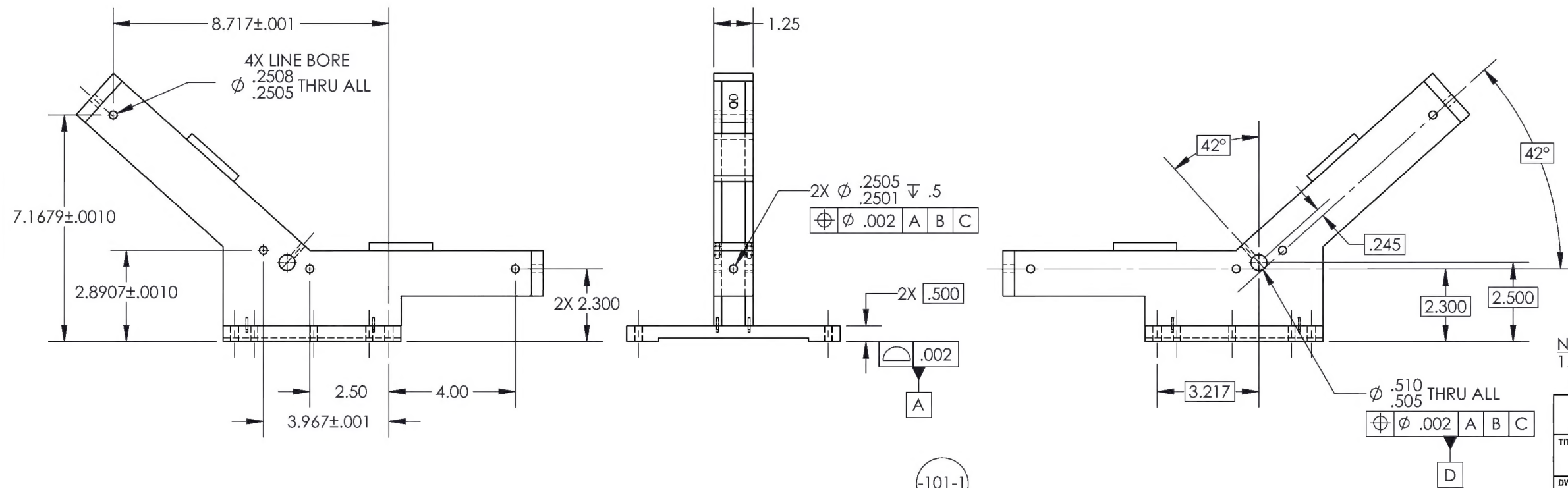
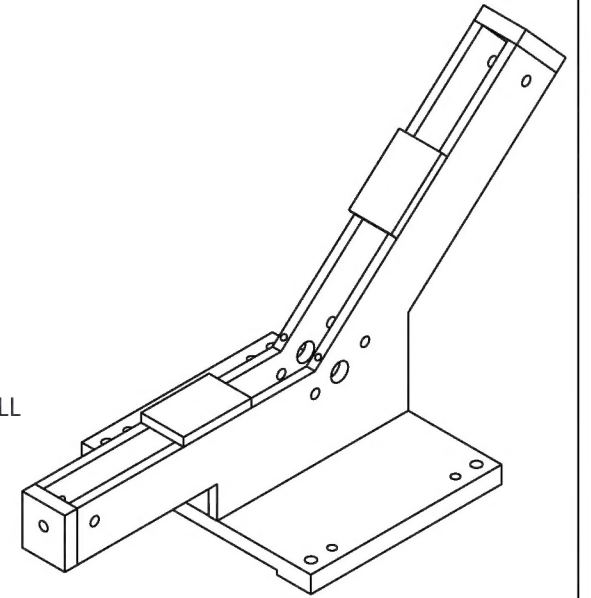
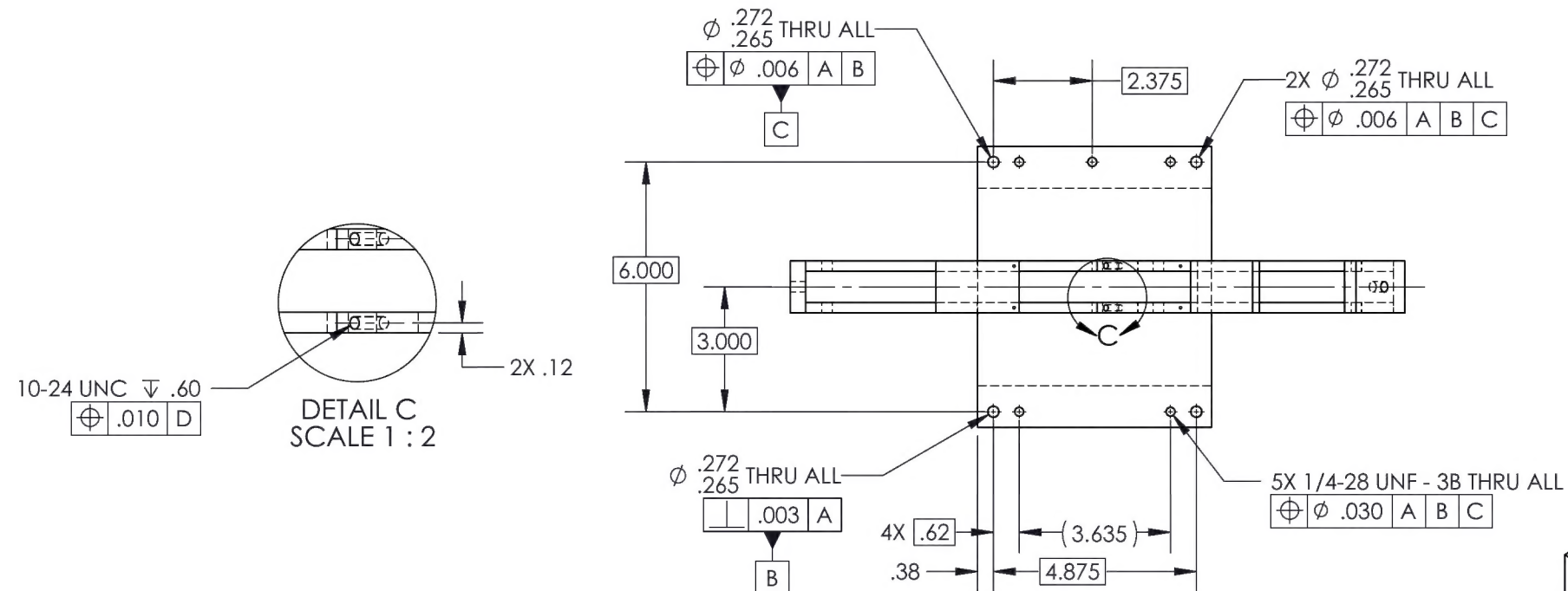
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-101-1	1	SIMULATOR WELDMENT			2.3
	2		-103		SIDE PLATE	1018	1/4 X 7-7/8 X 14-1/4	4
			-107	1	PIVOT PIN	O-1 DRILL ROD	Ø5/8 X 1-3/8	5
	1		-109		BASE PLATE	1018	5/8 X 5-3/4 X 6-7/8	6
	1		-111		END PLATE (SHORT)	1018	3/8 X 1-3/8 X 1-5/8	7
	1		-113		END PLATE (LONG)	1018	3/8 X 1-3/8 X 1-7/8	8
	2		-115		GUSSET	1018	1/4 X 1-3/8 X 2-1/8	9
		B/O	-117	2	BUSHING	STEEL	AIRCRAFT HARDWARE & ACCES. #CEP-5/64(CB2-.0781)	1
		B/O	-119	2	SET SCREW	STEEL	#10-24 X 3/8 MCMaster-CARR #94105A240	1
		B/O	-121	4	BOLT	STEEL	1/4-28 X 1-1/2 AIRCRAFT SPRUCE AN4-13A	1
		B/O	-123	4	WASHER	STEEL	Ø1/4 AIRCRAFT SPRUCE #AN960-416	1
		B/O	-125	5	ADJUSTING BOLT	S.S.	1/4-24 X 1-1/2 NAS 428-4-14	1
	4	B/O	-127		ALIGNMENT PIN	STEEL	Ø1/16 X 3/8 MCMaster-CARR #98381A417	3
	ASSY -1							

NOTE:
1. REF. BELL T/N: T103224-101

		RED BARN MACHINE	
TITLE		SIMULATOR, TAIL ROTOR DRIVESHAFT 42° GEARBOX	
DWG NO.		RB T103224-101	
MAT'L		DRAWN BY: SMITH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED	
.XXX ± .010		HEAT TREAT	
.XX ± .03		FINISH	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		BELL 205A1, 212, 412	
SCALE		DATE	
1:4		8/21/2013	
SHEET 1 OF 9		REV 1	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-101-1 ADDED 4X LINE BORE HOLES	10/23/2013	CFS	



-101-1

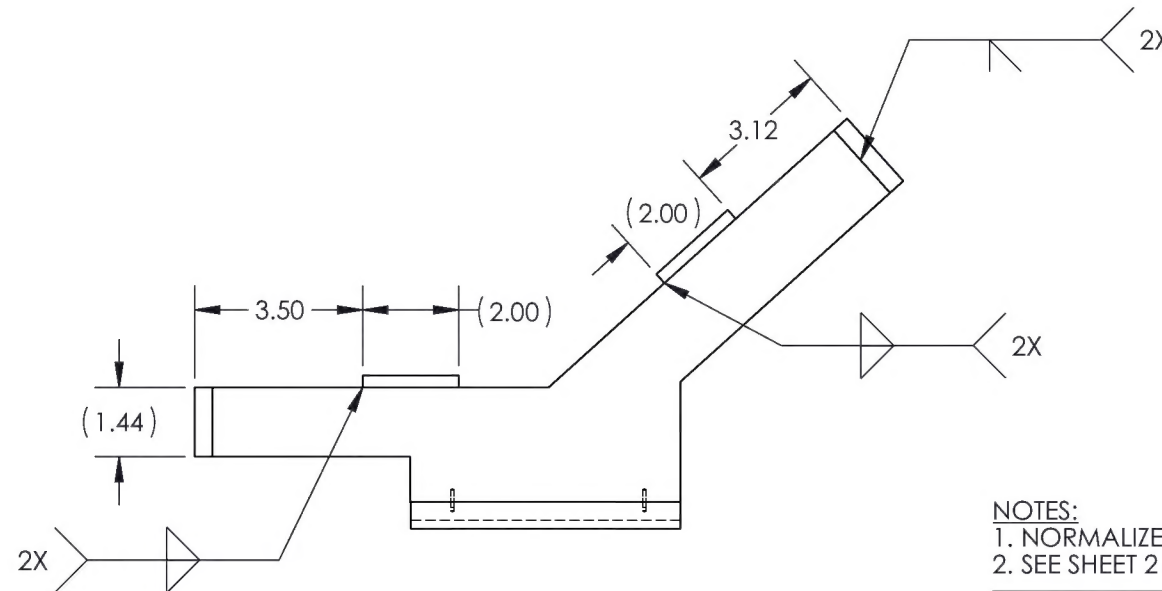
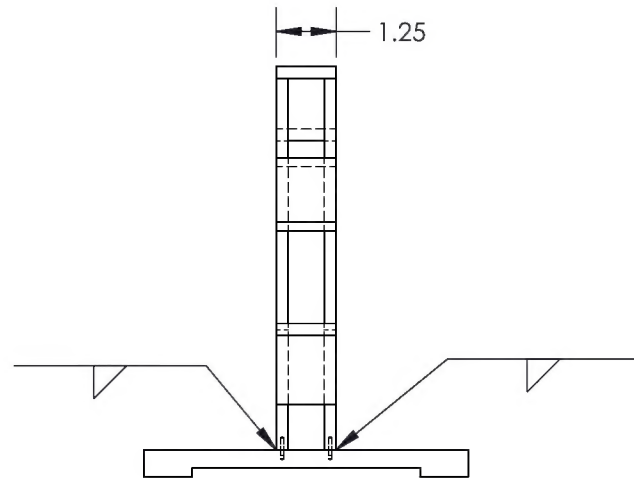
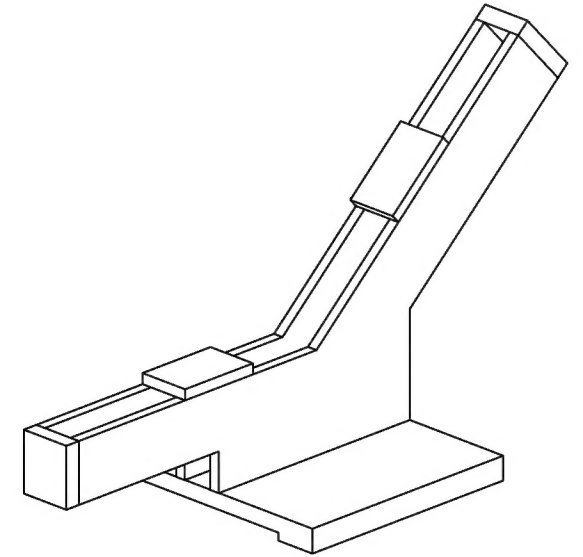
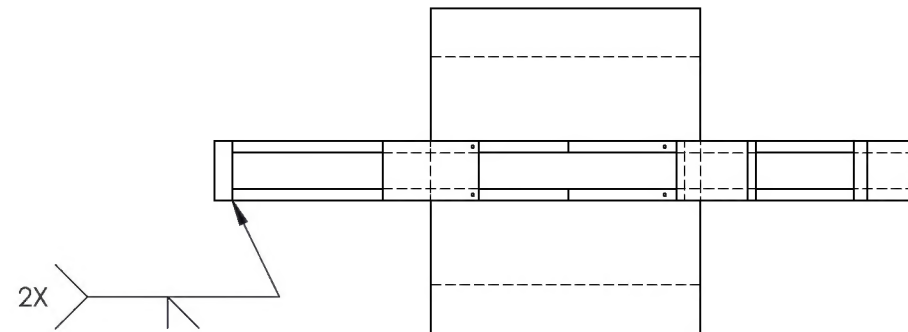
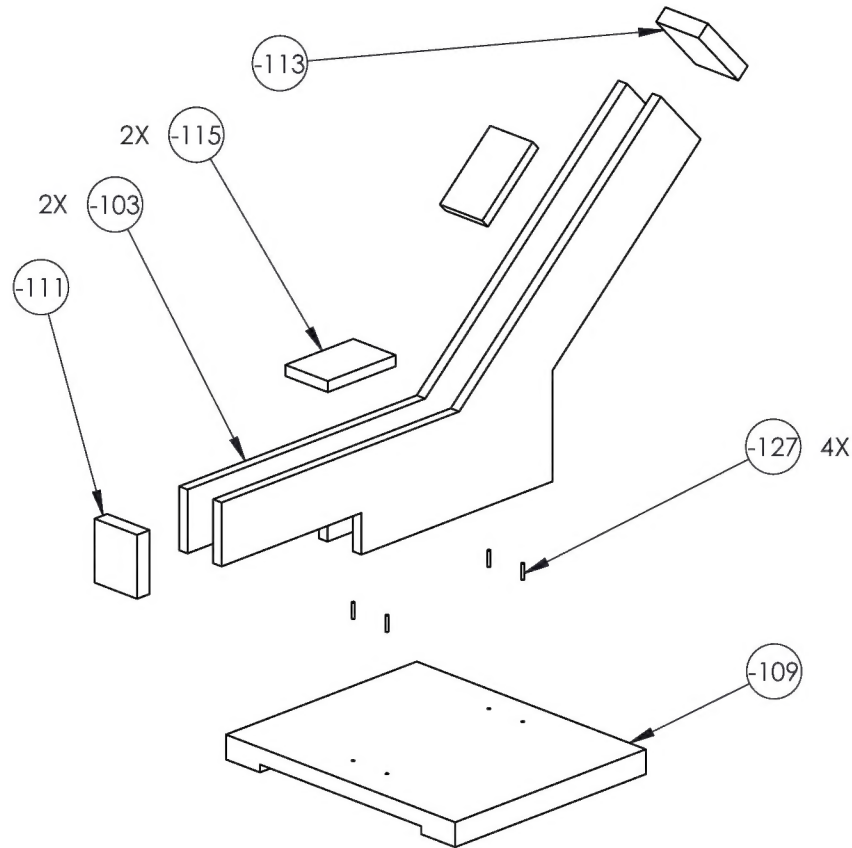
SIMULATOR MACHINED WELDMENT

NOTE:
1. NORMALIZE BEFORE DRILLING HOLE AND APPLYING GD&T.

RED BARN MACHINE			
TITLE		SIMULATOR, TAIL ROTOR DRIVESHAFT 42° GEARBOX	
DWG NO.		RB T103224-101-1	
MAT'L		DRAWN BY: SMITH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D. Weil</i>	
.XXX ± .010		FRACTIONS ± 1/32	
.XX ± .03		ANGLES ± 5°	
.X ± .1		FINISH BLACK OXIDE	
1. BREAK ALL SHARP EDGES .015 x 45°		SPEC	
OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		BELL 205A1, 212, 412	
SCALE 1:4		DATE 8/21/2013	
		SHEET 2 OF 9	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



-101-1

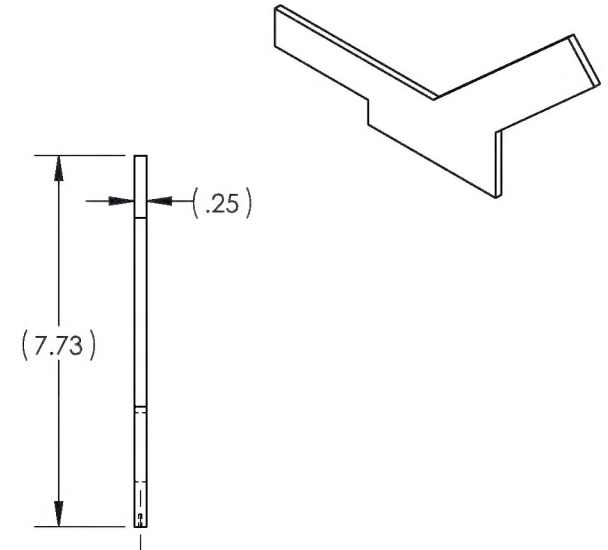
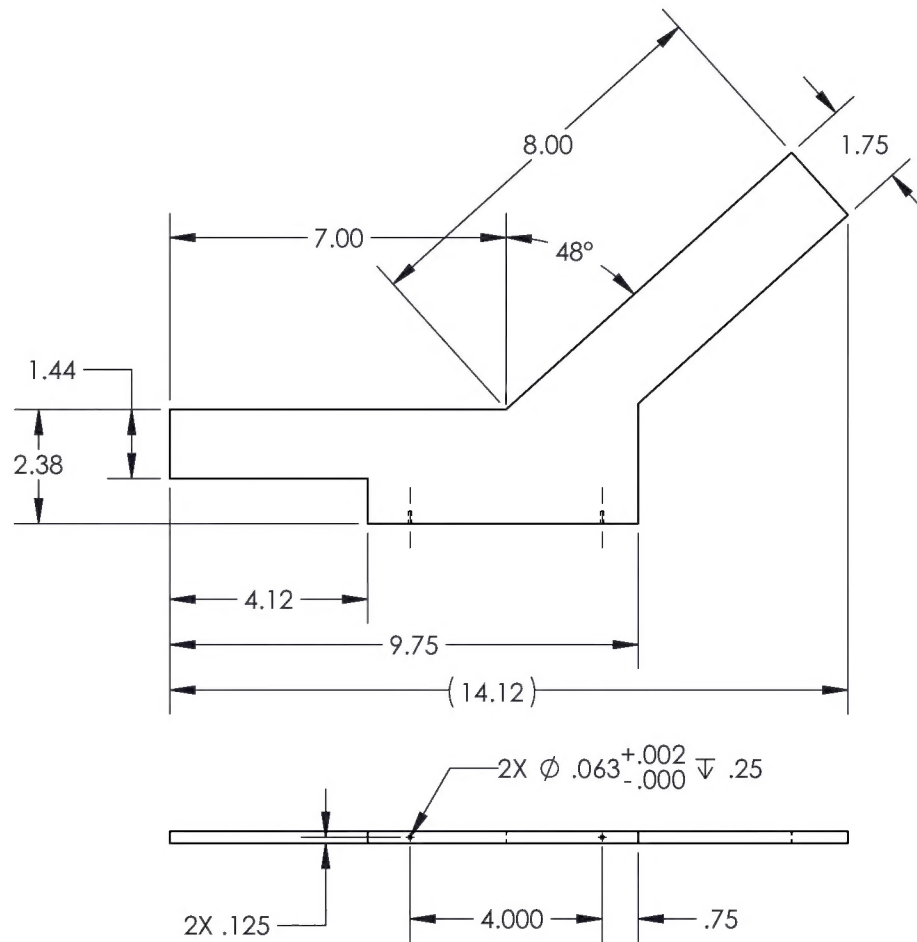
SIMULATOR WELDMENT

- NOTES:
1. NORMALIZE AFTER WELDING
2. SEE SHEET 2 SIMULATOR MACHINED WELDMENT.

RED BARN MACHINE			
TITLE		SIMULATOR, TAIL ROTOR DRIVESHAFT 42° GEARBOX	
DWG NO.		RB T103224-101-1	REV 1
MAT'L		DRAWN BY: SMITH	APPROVED: <i>D. Weil</i>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		HEAT TREAT	FINISH
.XXX ± .010		FRACTIONS ± 1/32	ANGLES ± 5°
.XX ± .03		OR .015R	PLATING
.X ± .1		1. BREAK ALL SHARP EDGES .015 x 45°	2. DIMENSIONAL LIMITS APPLY AFTER
SCALE 1:4		DATE 8/21/2013	SHEET 3 OF 9

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-103 ADDED Ø.064 HOLES FOR ALIGNMENT PINS -127.	9/12/2013	CFS	GE

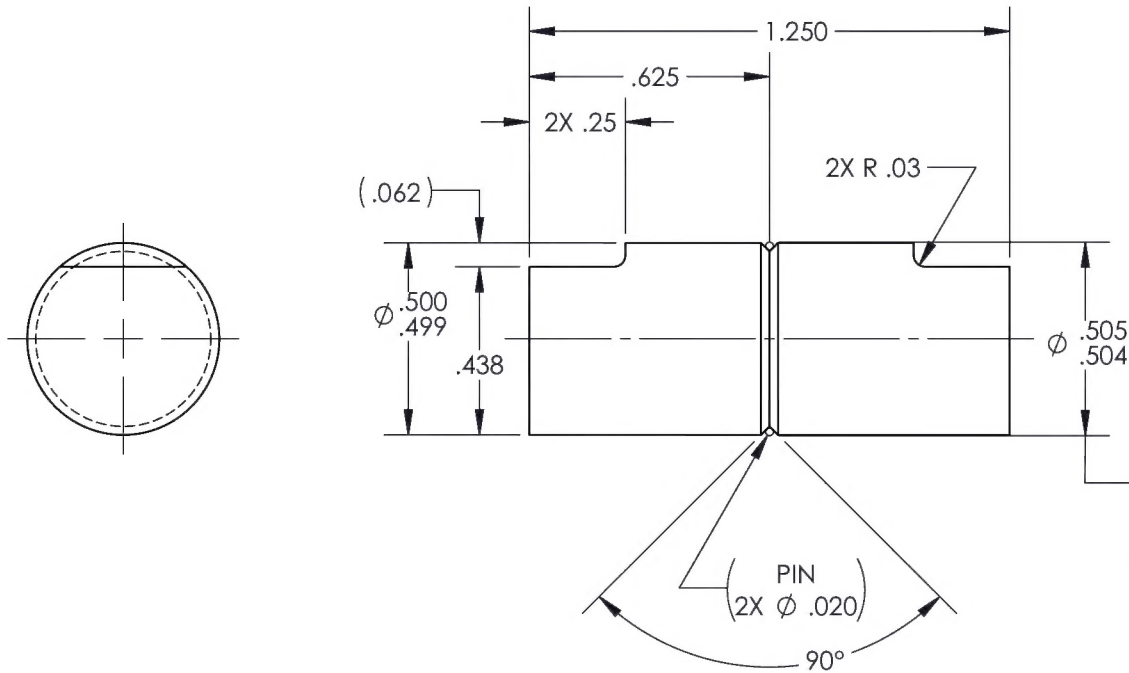
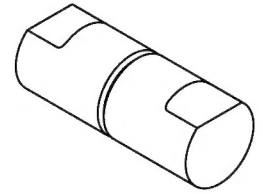


(-103)
SIDE PLATE

RED BARN MACHINE	
TITLE SIMULATOR, TAIL ROTOR DRIVESHAFT 42° GEARBOX	
DWG NO. RB T103224-101-103	REV 1
MAT'L 1018	DRAWN BY: SMITH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .03 ANGLES ± 5°	FINISH SEE MACHINED WELDMENT -101-1
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 205A1, 212, 412
SCALE 1:4	DATE 8/21/2013
SHEET 4 OF 9	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



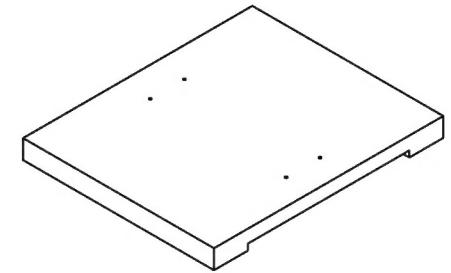
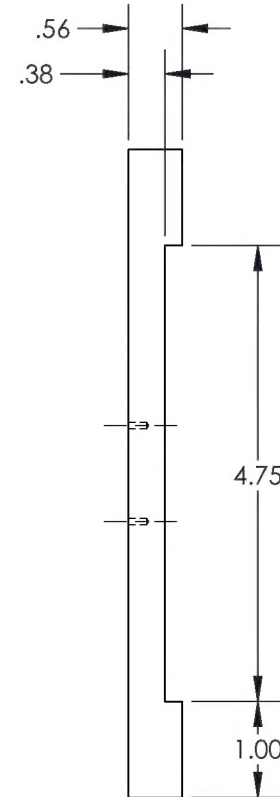
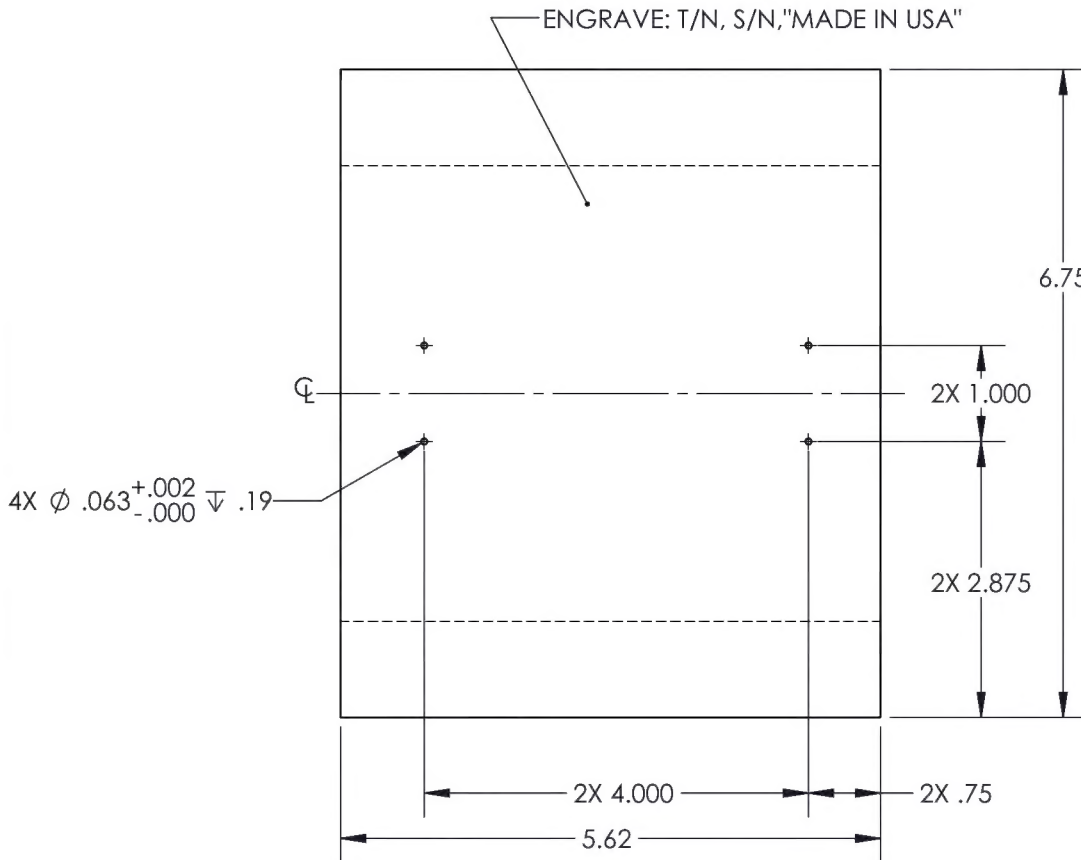
-107

PIVOT PIN

RED BARN MACHINE	
TITLE SIMULATOR, TAIL ROTOR DRIVESHAFT 42° GEARBOX	
DWG NO. RB T103224-101-107	REV 1
MAT'L O-1 DRILL ROD	DRAWN BY: SMITH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010 FRACTIONS ± 1/32	HEAT TREAT RC 58-62
.XX ± .03 ANGLES ± 5°	FINISH BLACK OXIDE
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 205A1, 212, 412
SCALE 2:1	DATE 8/21/2013
SHEET 5 OF 9	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-109 ADDED Ø.064 HOLES FOR ALIGNMENT PINS -127.	9/12/2013	CFS	GE

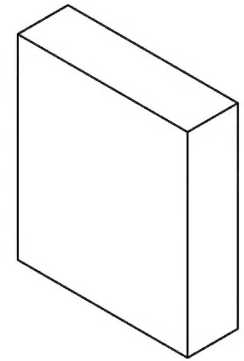
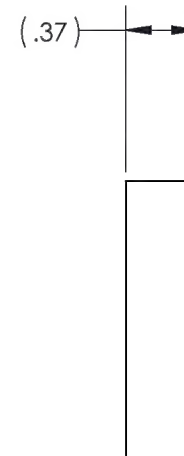
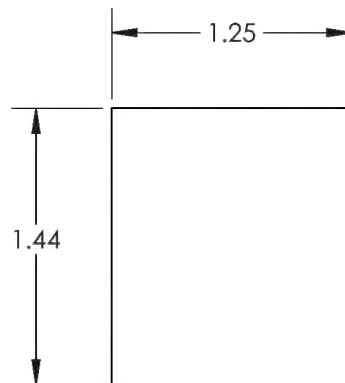


-109
BASE PLATE

RED BARN MACHINE	
TITLE SIMULATOR, TAIL ROTOR DRIVESHAFT 42° GEARBOX	
DWG NO. RB T103224-101-109	REV 1
MAT'L 1018	DRAWN BY: SMITH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010 .XX ± .03 .X ± .1	HEAT TREAT FINISH SEE MACHINED WELDMENT -101-1
FRACTIONS ± 1/32 ANGLES ± 5°	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 205A1, 212, 412
SCALE 1:2	DATE 8/21/2013
SHEET 6 OF 9	


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



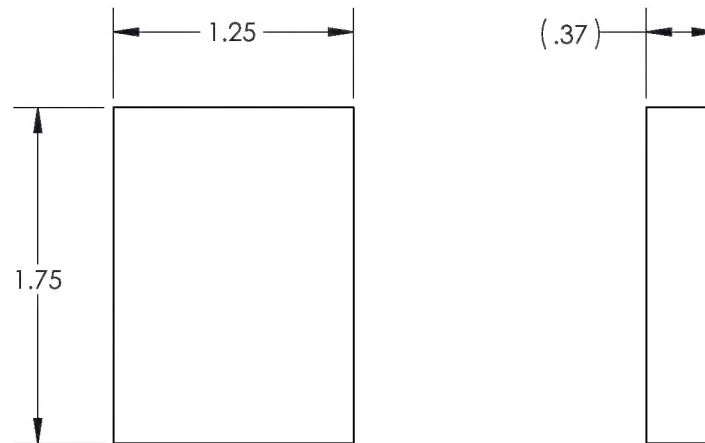
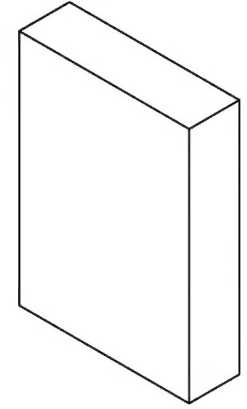
(-111)

END PLATE (SHORT)

 RED BARN MACHINE	
TITLE SIMULATOR, TAIL ROTOR DRIVESHAFT 42° GEARBOX	
DWG NO. RB T103224-101-111	REV 1
MAT'L 1018	DRAWN BY: SMITH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/32 .XX ± .03 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i> HEAT TREAT FINISH SEE MACHINED WELDMENT -101-1 SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL BELL 205A1, 212, 412
SCALE 1:1	DATE 8/21/2013
SHEET 7 OF 9	


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



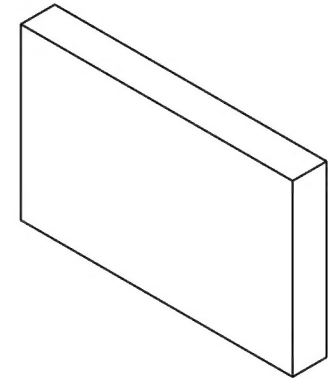
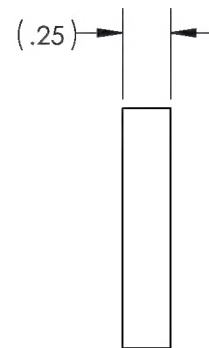
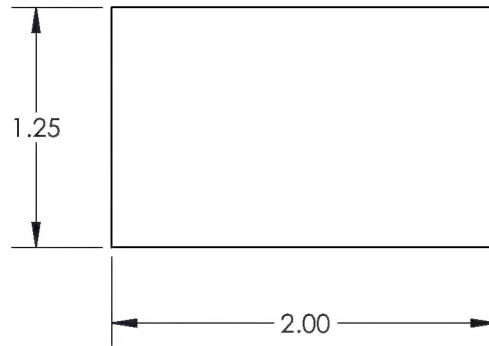
-113

END PLATE (LONG)

 RED BARN MACHINE	
TITLE SIMULATOR, TAIL ROTOR DRIVESHAFT 42° GEARBOX	
DWG NO. RB T103224-101-113	REV 1
MAT'L 1018	DRAWN BY: SMITH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/32 .XX ± .03 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i> HEAT TREAT FINISH SEE MACHINED WELDMENT -101-1 SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL BELL 205A1, 212, 412
SCALE 1:1	DATE 8/21/2013
SHEET 8 OF 9	



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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



-115

GUSSET

 RED BARN MACHINE	
TITLE SIMULATOR, TAIL ROTOR DRIVESHAFT 42° GEARBOX	
DWG NO. RB T103224-101-115	REV 1
MAT'L 1018	DRAWN BY: SMITH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/32 .XX ± .03 ANGLES ± 5° .X ± .1	APPROVED 
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	HEAT TREAT SEE MACHINED WELDMENT -101-1 SPEC USED ON MODEL BELL 205A1, 212, 412
SCALE 1:1	DATE 8/21/2013
SHEET 9 OF 9	